

**REMARKS/ARGUMENTS**

1. Objection to claim 6:

Claims 6 is objected to because the limitation “G sensor” should be changed to “gravity sensor”.

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**Response:**

Claim 6 has been amended to reflect this change. Acceptance of the amended claim 6 is respectfully requested.

10 2. Rejection of claims 1-7 under 35 U.S.C. 103(a):

Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gould Bear (US 2004/0227731) in view of Manchester (US 2004/0201595).

**Response:**

15 Claim 1 has been amended, and is patentably distinct from the cited prior art. Claim 1 recites that the gravity sensor comprises an x-axis gravity sensor for sensing tilt in the x-coordinate direction and producing a first tilt signal, a y-axis gravity sensor for sensing tilt in the y-coordinate direction and producing a second tilt signal, and a duty signal modulator. The duty signal modulator respectively transforms the  
20 first tilt signal and the second tilt signal into a first square wave and a second square wave, wherein duty cycles of the first and second square waves respectively vary according to a tilting amount of the electrical device in the x-coordinate direction and the y-coordinate direction. This amendment to claim 1 is fully supported in Figure 5 and paragraph [0018] of the instant application, and no new matter is added.

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On the other hand, neither Gould Bear nor Manchester teach the use of a gravity sensor containing the claimed x-axis gravity sensor, y-axis gravity sensor,

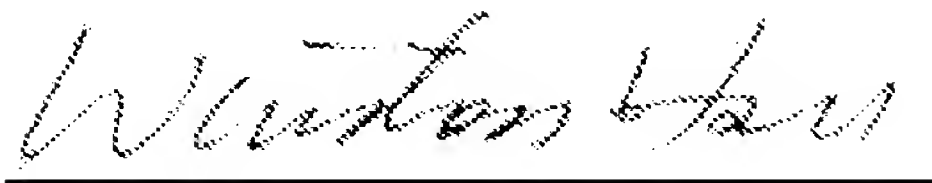
5 and duty signal modulator. Furthermore, the cited prior art does not teach that the duty signal modulator varies the duty cycles of square waves according to a tilting amount of the electrical device in the x-coordinate direction and the y-coordinate direction. As a result, the currently amended claim 1 is patentable over the cited prior art.

Furthermore, claims 2-7 are dependent on claim 1, and should be allowed if claim 1 is allowed. Reconsideration of claims 1-7 is therefore respectfully requested.

10 In view of the claim amendments and the above arguments in favor of patentability, the applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Sincerely yours,

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